

Amendments to the Specification:

Please replace the paragraph at page 89, lines 26-28 of the application-as-filed, with the following amended paragraph:

In parallel with the increase in total thymocytes post-castration, there was a marked increase in CD25+ regulatory cells (**FIG. 48A**) (~~data not shown~~). There was no such change in the spleen (**FIG. 48B**) (~~data not shown~~).

Please replace the paragraph at page 90, lines 4-8 of the application-as-filed, with the following amended paragraph:

There was a marked increase in total thymocytes (~~data not shown~~) (**FIG. 48A**) and spleen cells (~~data not shown~~) (**FIG. 48B**). There was also a marked increase in thymic regulatory cells (CD25+ and NKT cells). The cytokines from these mice maybe influencing the effector T cells and modulating their potential pathogenicity. By immunohistology, the castrated mice had a normal thymic architecture and a loss of the B cell follicles (data not shown).